Aurora

2013 Product Catalog

15th Anniversary Edition

1998 15 2013

YEARS

View the complete product line on our website:

www.auroramm.com

About Us

Founded in 1997, Aurora Multimedia products utilize state-of-the-art technologies, providing solutions that surpass typical specifications and features. Starting with the introduction of the industry's first non-proprietary web-standards based IP control systems and touch panels, through today's advanced HDBaseT video distribution solutions, Aurora Multimedia has become a dominant force. Advanced audio/video processors with scaling, multi-image rotation and dual/quad display processing add to the highly-adaptive, diversified product line. Aurora Multimedia provides solutions for a variety of global markets including government, education, security, hospitality, corporate and house of worship.

From the start, Aurora Multimedia Corp. has striven to push the technology envelope. We do so by developing and manufacturing our products for markets looking for the most bang-for-the-buck. Compare our products to others and you will find that we are competitive and innovative. We take pride in our products which is why we offer a 3 year warranty. Please take a moment to look over our entire product line, get involved with our innovation and share in the excitement.

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For the latest product offerings, visit our website
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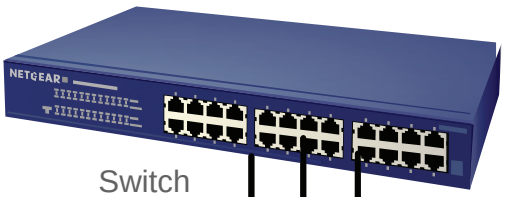
Applications

Basic Classroom Control

iPad/Tablet



Switch

IP

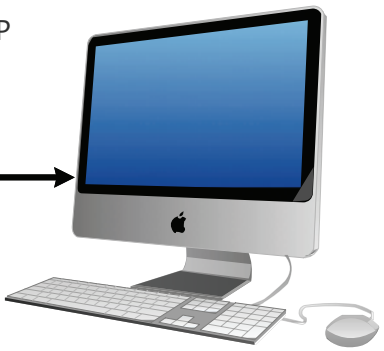
IP

IP

Document Camera

RS232

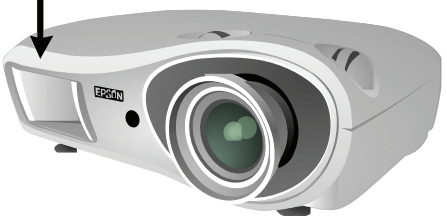
WACI PAD6L



iMac

IR

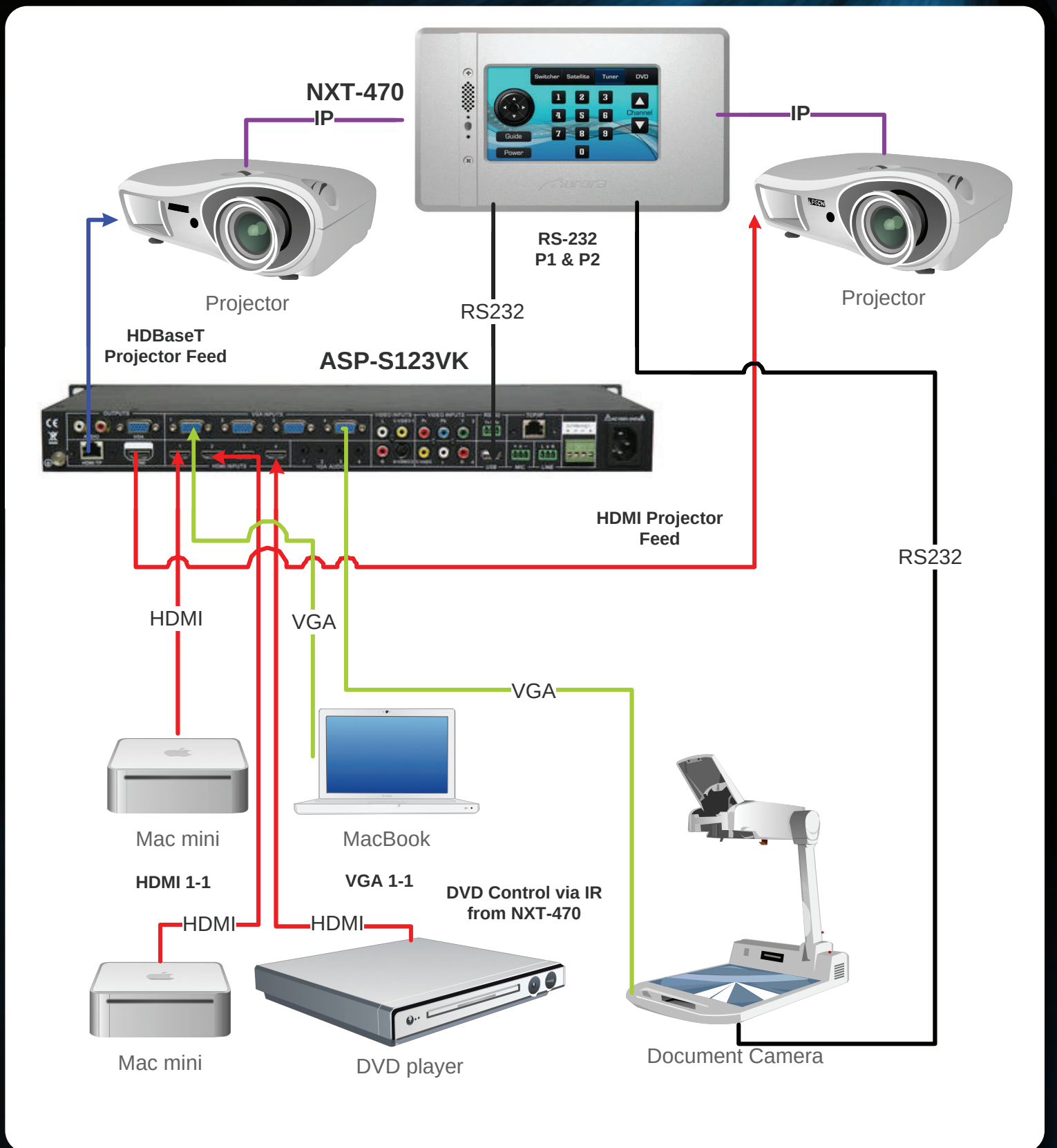
DVD player



Projector

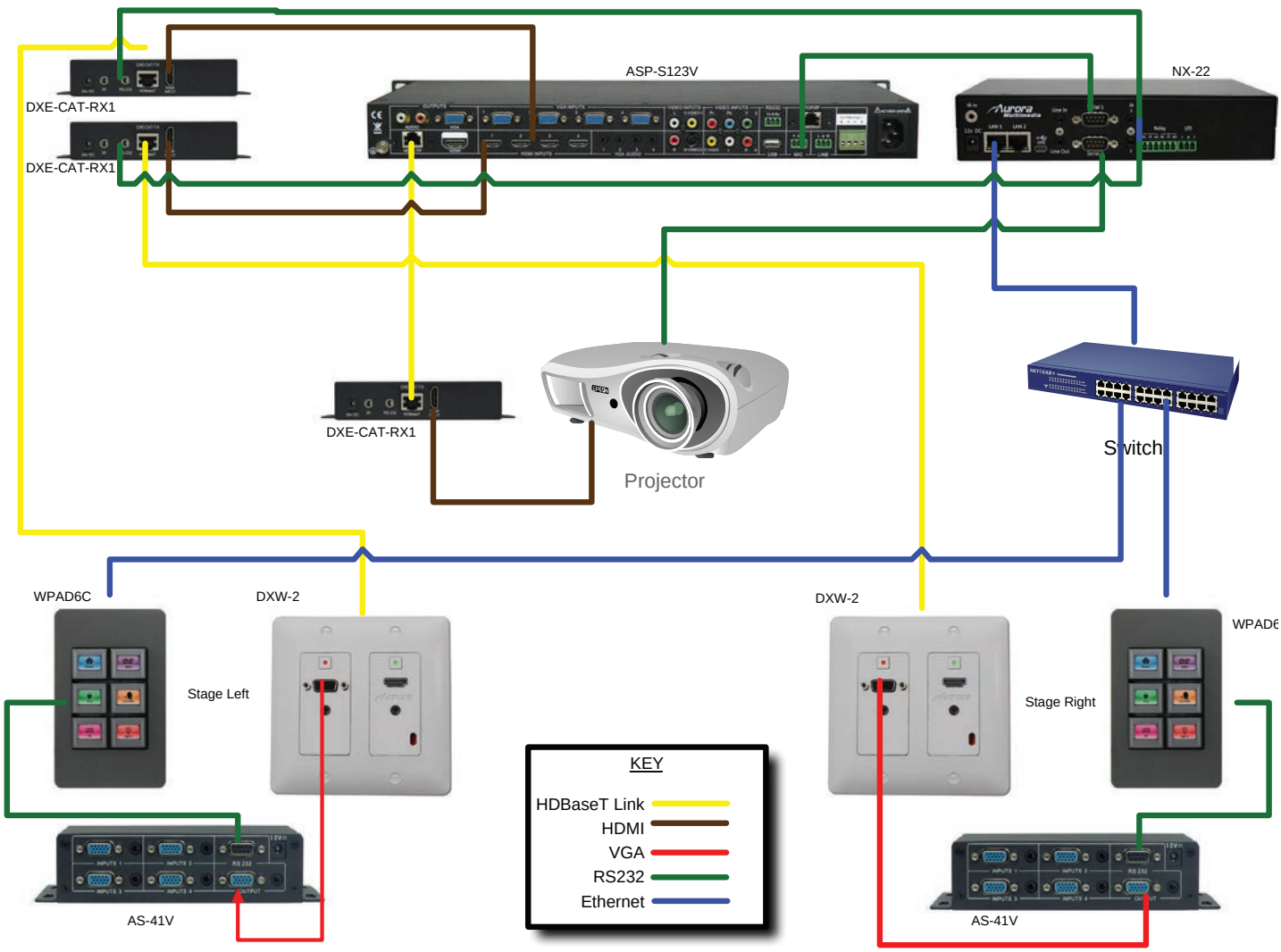
Applications

Advanced Classroom



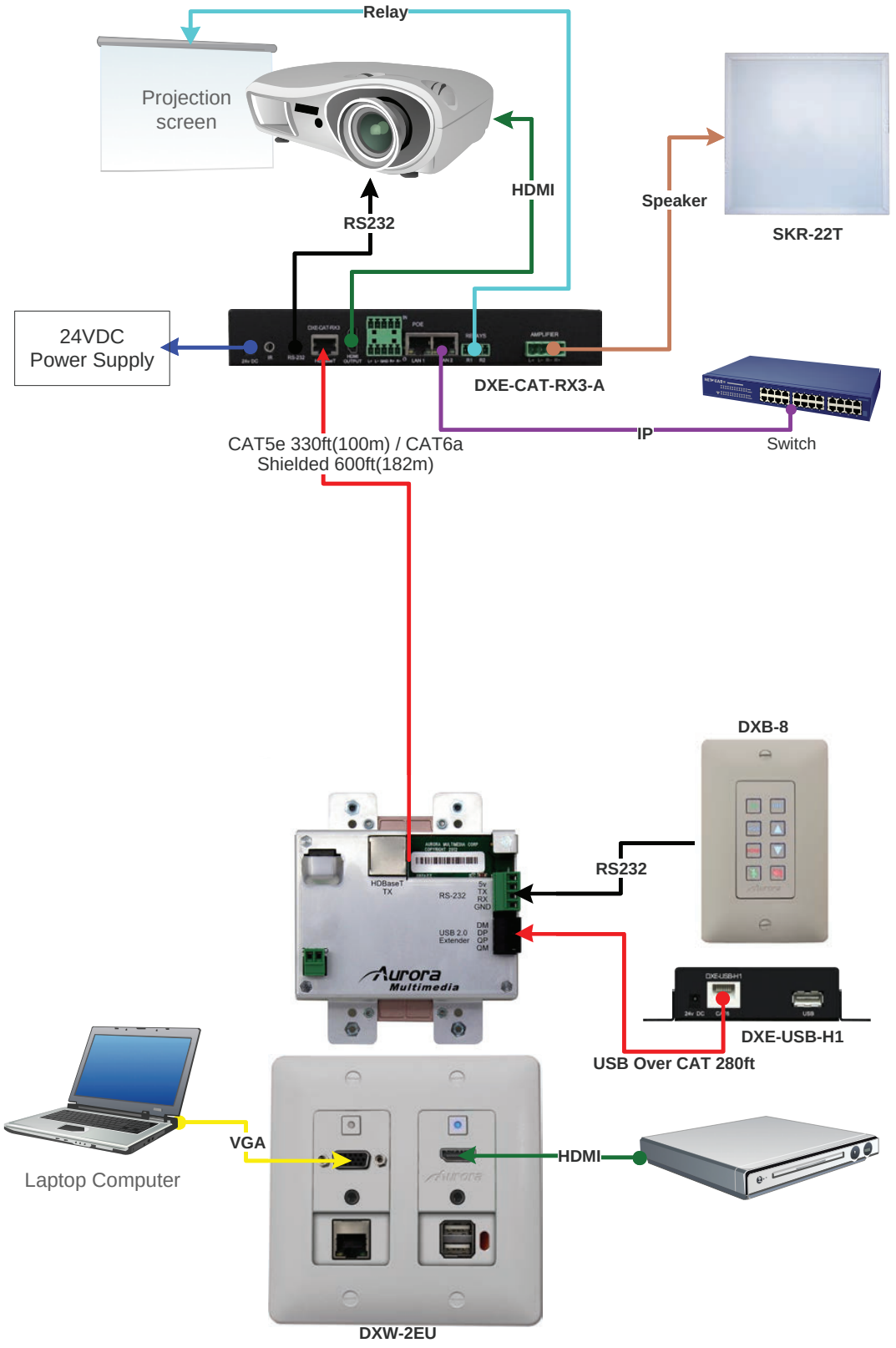
Applications

Auditorium Control and Video Distribution



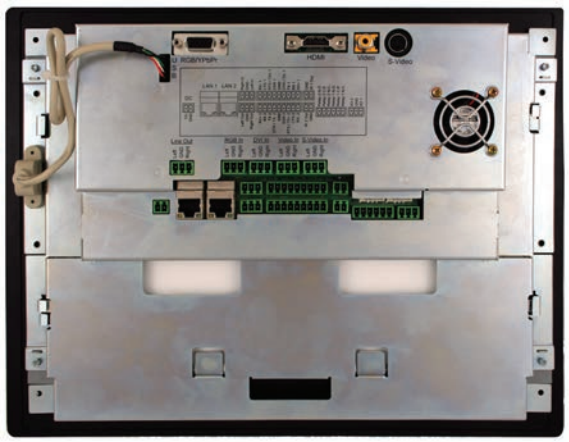
Applications

One Room - One Cable™



NxT 1330/1330V

Touch Panel Interface with Integrated Control System



NXT-1313/NXT-1313V

The NXT-1313 is a revolutionary development that integrates a control system processor with multiple ports into a Web-based touch screen controller. The extremely versatile hybrid combines a spectacular 13.3-inch widescreen touch panel display with a fully loaded 32-bit 900-MIPS WACI engine. The touch controller includes an internal audio mixer to complete the solution. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 13.3" Color Touch with Integrated Control and Video Preview (NXT-1313V only)
- 1280x800 Resolution
- 500 nits(cd/m2) Brightness
- 140deg horizontal viewing angle, 120deg vertical
- 2 RS-232, 2 IR, 2 I/O, 2 Relay Control Ports
- 256MB Flash, 128MB DDR2
- HDMI™ and RGBHV/YPbPr Inputs (NXT-1010V only)
- S-Video and Composite Inputs (NXT-1010V only)
- Front IR Input Receiver for IR Remotes
- Full WACI NX Control Engine
- Integrated Web Server for iPad®/Tablet Control
- Audio Stereo Line In / Out
- Dual 10/100 LAN (POE on Port 1)
- Integrated Web Browser with Flash Lite
- Custom Backbox & Desktop Mount Available

NXT Accessories:

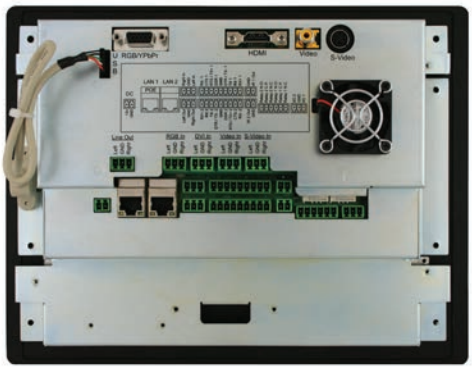
Emitters:
- CA-0012-1
- CA-0012-2

Port Expansion:
- WACI Nugget
- LXC-200

Mounting Options:
- WMB-1330 (Wall)
- DTB-1330 (Desktop)

NxT 1010/1010V 700/700V

Touch Panel Interface with Integrated Control System



NXT-700/NXT-1010 Series

The NXT-700/NXT-1010 series is a revolutionary development that integrates a control system processor with multiple ports into a Web-based touch screen controller. The extremely versatile hybrid combines a spectacular 7.0-inch or 10.1-inch widescreen touch panel display with a fully loaded 32-bit 900-MIPS WACI engine. The touch controller includes an internal audio mixer to complete the solution. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 7.0" or 10.1" Color Touch with Integrated Control and Video Preview (V Series only)
- 800x480 Resolution (NXT-700/700V), 1280x800 (NXT-1010/NXT-1010V)
- 300 nits(cd/m2) Brightness
- 170 degrees horizontal and vertical viewing angle
- 2 RS-232, 2 IR, 2 I/O, 2 Relay Control Ports
- 256MB Flash, 128MB DDR2
- HDMI™ and RGBHV/YPbPr Inputs (V Series only)
- S-Video and Composite Inputs (V Series only)
- Front IR Input Receiver for IR Remotes
- Full WACI NX Control Engine
- Integrated Web Server for iPad®/Tablet Control
- Audio Stereo Line In / Out
- Dual 10/100 LAN (POE on Port 1)
- Integrated Web Browser with Flash Lite
- Custom Backbox & Desktop Mount Available

NXT Accessories:

Emitters:
- CA-0012-1
- CA-0012-2

Port Expansion:
- WACI Nugget
- LXC-200

Mounting Options:
- WMB-1330 (Wall)
- DTB-1330 (Desktop)

NXT 350/470

Touch Panel Interface with Integrated Control System

NXT-350/470

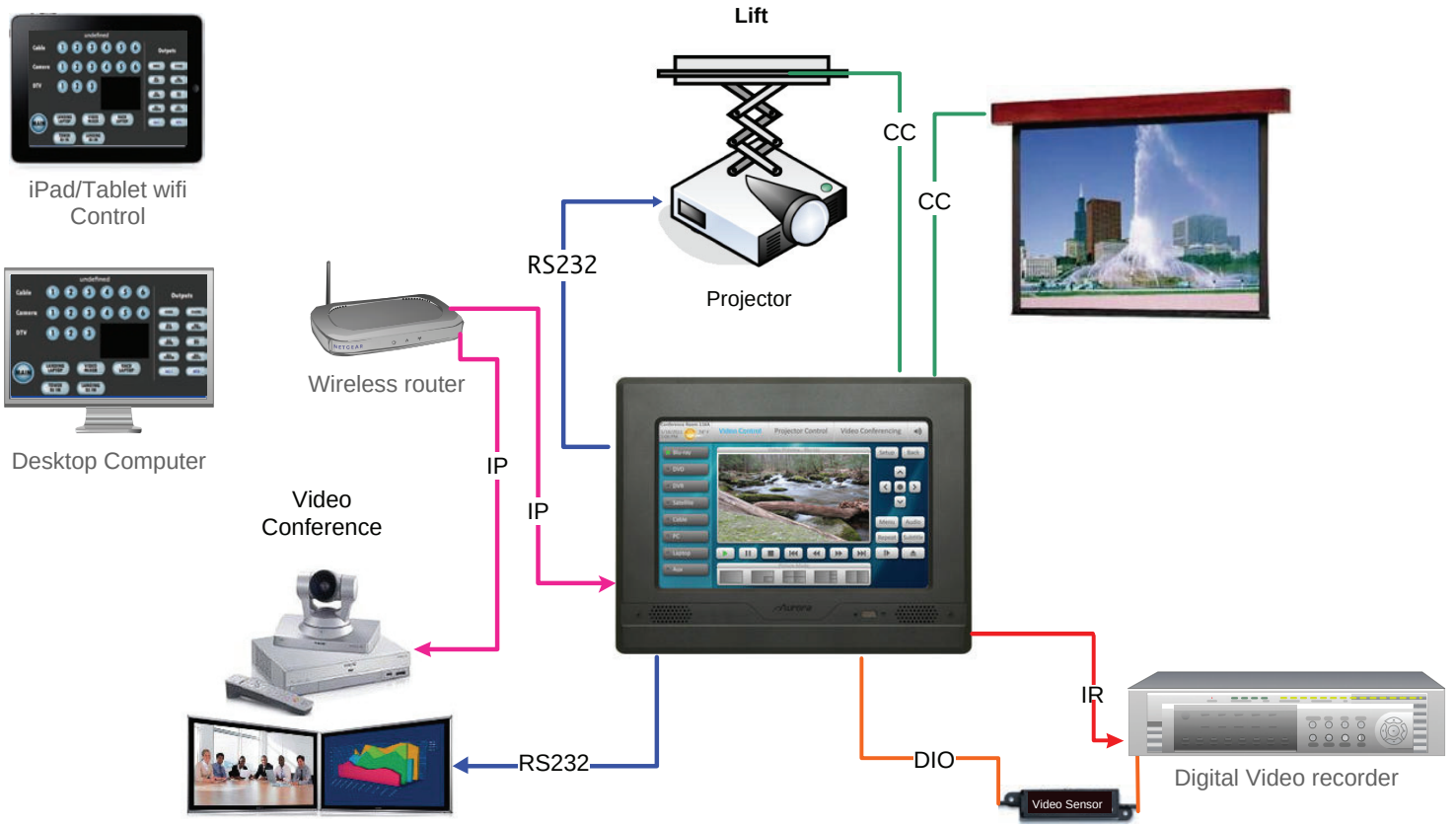
NXT-350 and NXT-470 are hybrid in-wall touch panels. Just about anything in the room can be automated with its built in control ports and WACI engine. They also have line in/out audio for volume control and MP3 playback. Designed to fit in standard 2 or 3 gang electrical wall boxes. The NXT 350/470 will make any installation quick and easy. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 3.5" and 4.7" Color Touch with Integrated Control
- 320x240 and 480x272 Resolutions
- 2 RS-232, 1 IR, 1 I/O Control Ports
- 256MB Flash, 128MB DDR2
- Front IR Input Receiver for IR Remotes
- Audio Stereo Line In/Out
- Integrated Web Server for iPad®/Tablet Control
- Draws only 3.5 Watts (NXT-350) or 3.8 Watts (NXT-470) in Full Operation
- 10/100 LAN with POE
- Integrated Web Browser with Flash Lite
- Fits into Standard 2-Gang (NXT-350) and 3-Gang (NXT-470) Outlet Box

Accessories: Emitters (CA-0012-1/2), Expansion (WACI Nuggets & LXC-200), DTB-350/470 Desktop Mounts

Applications

NXT Touchpanel Room Control



WACI PAD Series

Hybrid Button Interface with Built-in Controller

Shown with optional decor wall plates

WPAD 6L, 12, 12L 1RU

WACI-PAD is a very special and unique button panel. The buttons use micro display technology to provide multiple levels of interaction using accompanying software. Each button has the ability to morph into other buttons based on button presses or events taking place in the system. In addition, there is a built-in web server for remote IP control. The WACI-PAD 6 fits into a single and WACI-PAD 12 in a double gang electrical box. They both provide a comfortable, tactile and graphical user experience. With the built-in IR and Serial ports, the WACI PAD is the most innovative and functional control interface in the industry today. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- 6 and 12 Button Multi-Layered LCD
- 1 RS-232 and 1 IR/RS-232 (TX Only) Ports
- Internal Web Server
- 10/100 LAN with POE
- LCD Backlit Buttons Turn Red, Green & Orange
- Familiarity of a button panel but functions like a touch-panel
- Remote Firmware Upgrade Capable
- Dynamic Actions
- Fits in 1 Gang (PAD 6L) or 2 Gang (PAD 12) Electrical Box
- Free WPC (WACI PAD Creator) Software Tool

DXB-8

8 Button Backlit Control Panel

new

DXB-8

The DXB-8 is a low cost 8 button single gang button panel. Designed to work with just about any RS-232 device on the market, the DXB-8 allows any RS-232 string to be assigned to the press and release of each button. Even repeat on hold is available. The buttons can individually be lit red, green, or blue so in dimly lit areas it can be seen. Low cost, low power, simplicity, and compatibility with just about any device on the market makes the DXB-8 the simple sweet solution of choice.

- 8 backlit buttons (Red, Green, Blue)
- Fits in standard 1 gang Decora® style outlet
- 2 RS-232 ports
- Buttons individually programmable for RS-232 command
- 9600 – 115k Baud Rate Selectable
- Designed to work seamlessly with DXW-2, & DXS-91
- Customizable laser etched buttons
- Low Power
- 5v DC powered
- Low Depth .48" for Floor & Table Boxes

NX Series

Next Generation IP Control Processors

WACI NX+ E1/E2

- Non-Proprietary IP Control System
- Up to 12 RS-232/422/485, 12 IR/Serial, 12 C-Type Relays & 12 DSP (I/O, A/D, D/A)
- Dual 10/100 LAN
- Built in IR Learner and IR Input Port
- Compact Flash slot for adding additional storage
- Front Control Panel with Integrated Display
- Internal Web Server for iPad®/Tablet Control

Control Accessories:

Emitters:

- CA-0012-1
- CA-0012-2

Port Expansion:

NX-Pand (NX+ Series only)

- WACI Nugget
- LXC-200

Mounting Options:

- DXK-002
- SRK-002

WACI NX-22

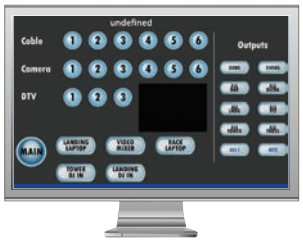
- Non-Proprietary IP Control System
- 2 RS-232/422/485 & 2 IR/RS-232 (TX Only)
- 2 C-Type Relays & 2 I/O
- Dual 10/100 LAN (POE on LAN 1)
- Built in IR Learner and IR Input Port
- Audio Stereo Line Input/Output
- Digital Audio Player (MP3, WAV, etc)
- Front Control Panel with Backlit LCD
- 1RU Single and Dual Rack Mounting
- Internal Web-Server for iPad®/Tablet Control

Applications

NX-22 with Tablet Room Control

iPad/Tablet wifi Control

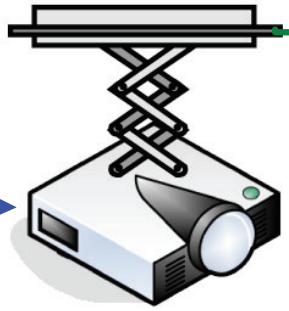
Wireless router



Desktop Computer

Document Camera

Lift



Projector

DVD player

CC

CC

RS232

IP

DIO

IR

RS232

LXC-200/LXC-18IR

IP Control Expansion Modules

LXC-200

The new LXC-200 combines all of the Nugget units in a single POE powered housing for room-based expansion including 3-serial, 2-IR/RS232, 2-relay and IO port for complete room expansion. Micro SD Slot card provides the ability for storing and serving up web-control pages for complete autonomous control.

- 3 Serial ports
- 2 IR/1-way Serial ports
- 2 Relays
- 1 I/O
- Audio Stereo Line Input/Output
- Power Over Ethernet (POE)
- Built in Web Server

LXC-18IR

The new LXC-18IR is an 8-port IR Expansion module for expanding Aurora Control Systems. Each of the 8-IR ports are independently addressable from Aurora NX/NXT control systems offering discrete control of any IR component. Perfect for hotel/hospitality, restaurants and digital signage applications.

- 8 IR Ports
- Power Over Ethernet (POE)
- Built in Web Server for iPad®/Tablet control

WACI Nuggets

IP Control Expansion Modules

WACI NUGGET SERIAL, IR, RELAY, I/O

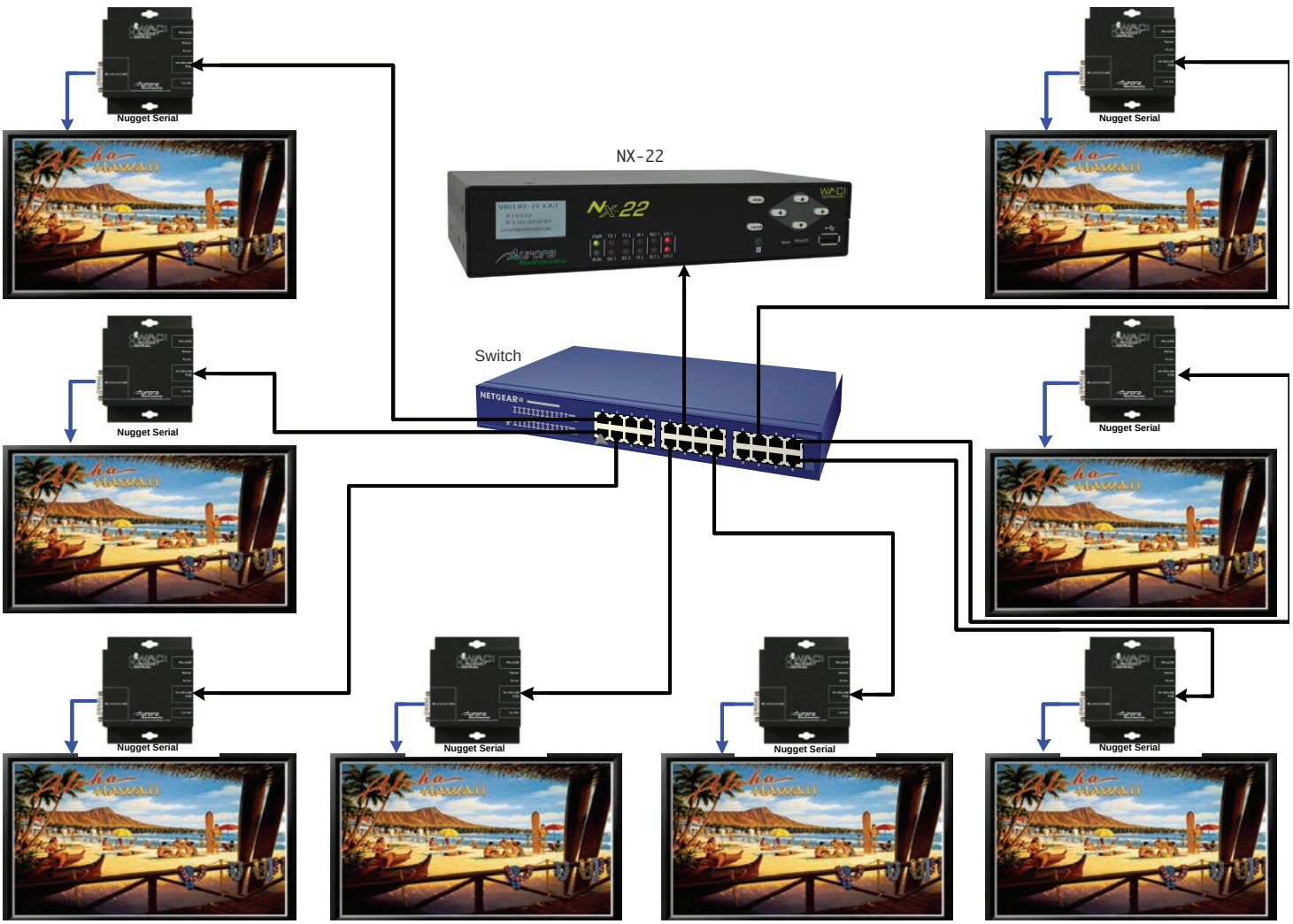
The WACI Nugget series are fully functional stand-alone remote access controllers with an internal web server built in. It also functions as a remote expansion port for the WACI series of IP-based control systems.

All WACI Nuggets feature a POE capable LAN port, and a MicroSD card slot for file and web page storage. Extremely small form factor combined with power over Ethernet capability allows for mounting in tight locations, with only a single cable run required. As with any Aurora control system, you can also use with iPad, Android, or any device with a web browser as a secondary control interface!

- Low cost IP Based Extender
- Four Versions - Serial, IR, Relay, & I/O
- WACI Nugget Serial - 1 RS-232/422/485 port
- WACI Nugget IR - 1 IR output port, 1 A/D (for sync or current sensing)
- WACI Nugget Relay - 2 Relays ports
- WACI Nugget I/O - 2 Digital I/O ports
- Internal web server for storing control pages and other media
- Add Control Ports Anywhere on a Network

Applications

NX-22 Expanded Control



Software Solutions

Free Tools for Programming Aurora Controllers

YIPI 3.1

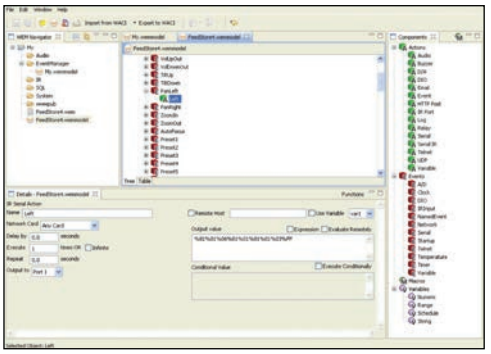
- Free Touch / Web Panel Creator For WACI
- Create NXT & IBZ Touch Panel Pages
- Create Web Pages for Most Browsers
- Generates Flash and HTML Interface that can be viewed in any Web Browser
- Drag and Drop Operations
- Easy to Use
- 2-Way Feedback
- Works with iPad®/Android Tablet

YIPI 3.1

WOWE

- Script Based Language
- WACI Control System Event Editor
- Drag and Drop Operations
- Creates WEM files for the WACI
- Speeds Development

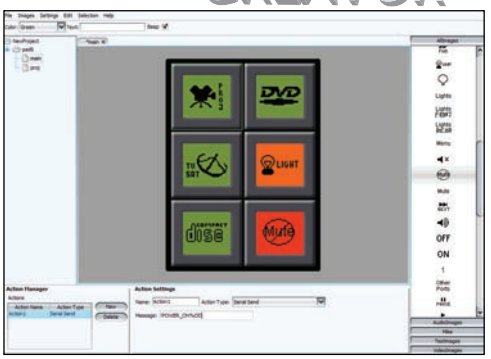
WOWE
WACI OFF-LINE WEM EDITOR



WPC 2.1

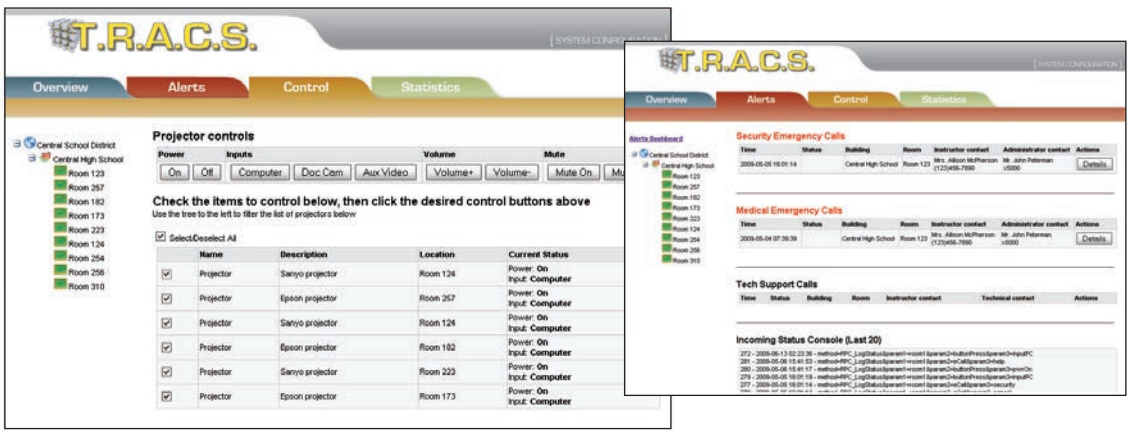
- Create WACI PAD 6 and PAD 12 Graphics
- Create WACI PAD Scripts
- Drag and Drop Operations
- Library of Bitmap Images Ready to Use

WACI pad CREATOR



TRACS

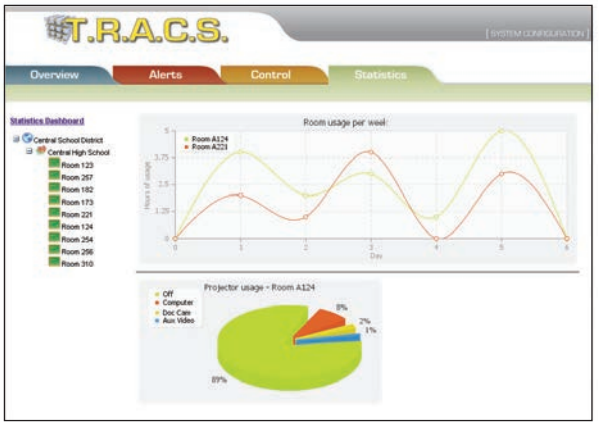
Global System Management Solution



TRACS

TRACS is an application written by Aurora Multimedia that allows monitoring of all classrooms in an entire school and/or district(s) and makes it possible for remote control, scheduling, reports, and alerts. TRACS is the backbone of multi-room installations. Designed from the ground up using PHP, TRACS will work with any PHP server allowing it to be run on Linux®, Windows®, and OS X® Servers. TRACS can communicate with any number of controlled devices and has no user limit due to its topology. In addition, TRACS utilizes a SQL database for efficient and secure management of your system data.

- Global Management Server
- Works on Linux®, Windows®, OS X® Servers
- System Overview
- Notification Alerts
- Selectable Room Control
- Usage and Alert Statistics
- Event Scheduling
- LDAP Multi-level Password Control
- Unlimited Users
- System Wide Firmware Updating
- Customizable to User Preferences
- Ships pre-installed on XMPC Server



DIDO Pro

Multi-window Video Processor

DIDO PRO

The DIDO Pro is an extremely compact and powerful, multipurpose video processor. It is a high resolution, quad image scaler with the ability to rotate the displayed image windows in ninety degree increments.

DIDO Pro can show up to 4 high resolution/full motion images on a single display with great flexibility in any format. Up to 6 inputs can be selected using the included IR remote or serial control with Aurora's WACI NX or other high end control systems. Store up to 99 presets and link together multiple DIDOs for control via a single RS-232 port.

- Quad Image Window Processing
- Real-time Image Rotation
- In/Out Resolutions up to 1080p @ 60Hz
- 2 DVI (HDCP), 2 RGBHV / YPbPr Inputs
- 2 S-Video / Composite Inputs
- 1 DVI (HDCP), 1 RGBHV / YPbPr Outputs
- Translucent PIP modes
- Front Panel Control with LCD Display
- 1RU Rack Mountable
- RS-232 Control and Daisy-chainable

DIDO Jr./LT

Videowall and Image Rotation Processor

DIDO JR./LT

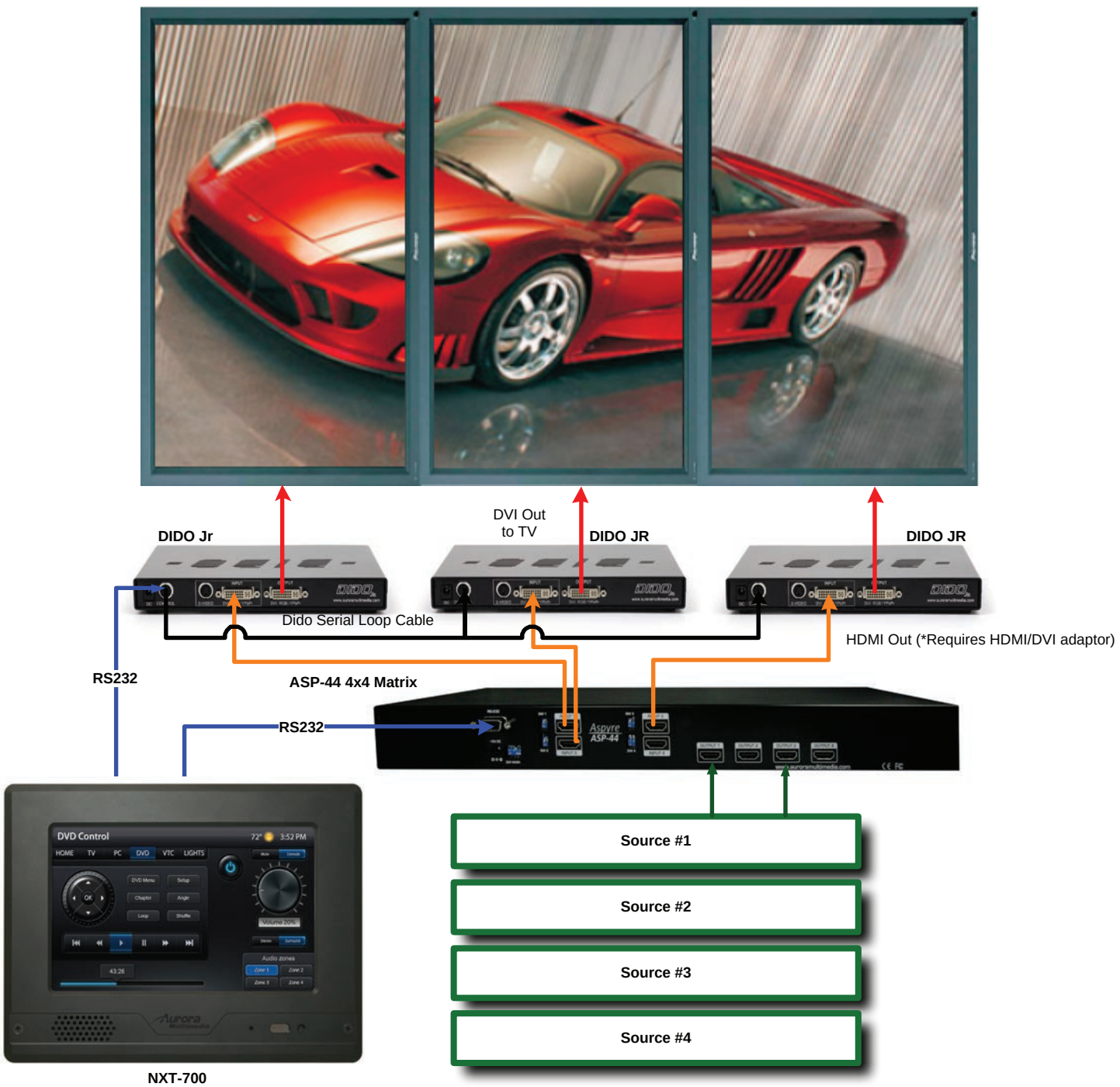
DIDO Jr. is the ideal video wall processor, and video image rotation engine. Integrators can design video walls with up to 64 monitors and the monitors can even be mounted in portrait position. DIDO Jr.'s image quality is visibly superior to much more expensive video wall processors and it gives any integrator the ability to produce a high quality video wall.

On-screen display menus make the DIDO Jr. a breeze to set up. Input and output resolutions are completely customizable to match the displays optimal resolutions. User presets allow for simple manipulation of the video wall. You can easily set it up to go from a single large image shown across all monitors to unique images on several groups of monitor.

- Videowall Processor
- Real-time Image Rotation (JR)
- In/Out Resolutions up to 1080p @ 60Hz
- 1 DVI (HDCP), 1 RGBHV / YPbPr Inputs
- 1 S-Video / Composite Inputs
- 1 DVI (HDCP), 1 RGBHV / YPbPr Outputs
- Standard Landscape Videowalls (LT), Portrait and Jigsaw Walls (JR)
- Front Panel Control with LCD Display
- IR Addressable Remote Control
- 1RU Rack Mount or Fits Behind the Display
- RS-232 Control and Daisy-chainable

Applications

Videowall with Control and Distribution



V-Tune Pro HD

Digital, Analog, and IPTV Tuner

V-TUNE PRO HD

The V-Tune Pro HD delivers a total tuning solution for any integrated system, whether it requires legacy NTSC tuning or ATSC/QAM capability. The new tuner is also LAN addressable and IPTV ready, capable of decoding MPEG2, MPEG4, and H.264.

As with all Aurora Multimedia products, the VTune Pro HD is absolutely integrator-friendly. Intuitive RS-232 command sets provide reliable 2-way communication via traditional control systems, but it also provides IP-based control for networked arrays of these units. A host of video output ports will support composite video, component video, S-Video and HDMI. Audio will be supported with both unbalanced RCA connections and SPDIF coaxial digital audio. The VTune Pro HD defines versatility as it can be fit into nearly any integrated system typology.

- IPTV (RTP & UDP Streaming)
- NTSC / ATSC / QAM Tuning
- Supports H.264, MPEG-2, MPEG-4
- Dolby® Surround Sound
- Closed Captioning and V-Chip
- Streaming Input up to 1080p 24/30Hz
- Output Resolution up to 1080p
- Rack Mountable 1RU
- RS-232 / LAN Controllable
- Composite, S-Video, YPbPr, HDMI® Outputs
- Simultaneous Upscaling and Downscaling
- Built-in Web Control Interface

XMPC Xtreme Media PC

Multimedia PC

XMPC Xtreme Media PC

The XMPC is the perfect PC for digital signage and AV system integration. Designed and optimized for today's high performance multimedia applications in public display, training centers, NOC's, boardrooms, and classrooms. Integrate into podiums, instructor stations, kiosks, or AV equipment racks, locations where limited space and security are a concern. Also available in a 1RU enclosure. Either enclosure is available with an energy efficient Intel Atom processor or a high performance Intel Core processor. Various mounting options available (standard model).

XMPC Atom D525

- 1.8GHz Intel Dual-Core Atom D525 processor
- HDMI/DVI/VGA outputs (any 2 can be simultaneously active)
- 6 USB 2.0, 2 USB 3.0 ports
- Internal WiFi IEEE 802.11 b/g/n
- Hardware HD MPEG Accelerator for smooth playback
- 10/100/1000 LAN Port

XMPC Core i3

- Intel 2nd Generation Core i3 2120 processor (3.3GHz dual-core)
- HDMI/DVI-I, DisplayPort outputs, and LVDS Flat Panel Support
- 10 USB 2.0, 2 USB 3.0 ports
- 10/100/1000 LAN Port
- Solid State Disk eliminates any moving parts
- Intel HD Graphics

Custom configurations available upon request - Specifications subject to change

ASP-CATx1RS

CAT Extender with IR and Serial Pass-through

ASP-CATx1RS

The ASP-CATX1RS HDMI over Single CAT Extender with IR Pass-through boosts your video/audio transmission distance up to 200ft (60m) in HDTV 1080i format, 130ft (40m) in HDTV 1080p format,(24 bit) and 65ft (20m) in HDTV 1080p with 36-bit color depth. ASP-CATx1RS also supports the most advanced 3D video format compliant with HDMI 3D Deep Color and therefore guarantees the highest 3D video compatibility on the market. With only one cost effective Cat.5/5e/6 cable, users can readily extend HDTV sources from DVD players, Blu-ray Disc player, PS3, PC, and any other kinds of sources compliant with TMDS to distant display monitors including HDMI or DVI enabled TV sets or LCD PC monitors.

With advanced design for the latest HDMI technology support including 3D, Deep Color as well as DTS-HD and Dolby TrueHD audio formats, extending components over greater distances is not only reliable but cost-effective.. In addition, ASP-CATx1RS is also equipped with bi-directional IR pass-through path. This bonus feature allows users to extend IR and Serial control with the HDMI video signal over a single CAT cable greatly reducing cabling infrastructure.

Aspyre Series

Fiber and VGA CAT Extenders

ASP-FIBRS2

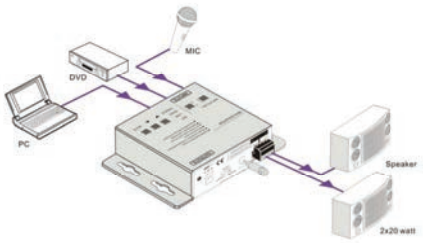
- Multi-mode fiber to connect the local video source and remote peripherals at up to 1000ft [300 meters] distance
- HDCP compliant
- Supports maximum 1080p, 60Hz HDMI video resolution
- Provides Bi-Directional RS-232 communication
- Supports HDMI and DVI displays
- 850 nm Multimode Transceiver
- SC Duplex Connector
- 50/125 µm Fiber Optic Patch Cable

AS-CAT1-VGA

- Supports up to WUXGA [1920x1200@60] or UXGA [1600x1200@60Hz] to 1,000ft (330m)
- Supports 720p component video signal to 1,000ft (330m)
- Supports RS-232 half-duplex & bi-directional IR pass-through
- Supports analog stereo audio and digital S/PDIF stereo audio
- Video and audio local out on transmitting unit for easy monitoring
- Adjustable equalization and gain control on receiving unit for signal tuning
- De-skew compensation for RGB delay control
- Wall mounting case & interlocked power jack

Aspyre Series

Audio Processor/Analog Switcher

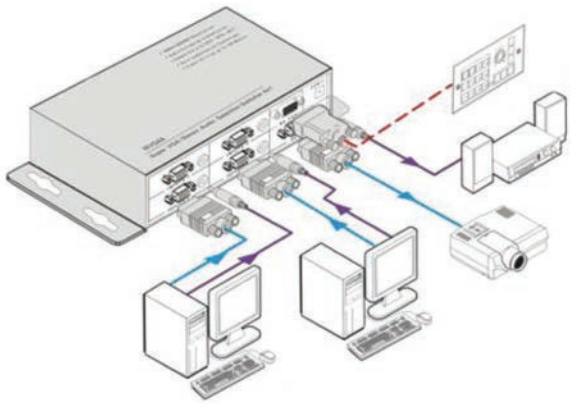


AS-AMP1

- 2x20 Watt @ 4 Ohm or 1x40 Watt @ 8 Ohm as the default amplifier output
- Microphone mixer function. The microphone will be mixed to the line audio, and can be separately controlled
- Two stereo audio inputs, switchable by button, IR remote or RS-232 remote
- RS-232 control with smart feedback
- LED indicator for power and working status

AS-41V

- 4x1 RGBHV/YPbPr Switcher
- Max Resolution 3200x2400 MHz
- Volume Control
- Bass & Treble Control
- Audio Break-away Switching
- H/V Sync Skew-free
- Front Button Control
- RS-232 Control



Aspyre Series

HDMI/DVI Splitters

POWER
HDMI4 HDMI3 INPUT HDMI2 HDMI1
HDMI1 HDMI2 INPUT HDMI3 HDMI4
5V
POWER
HDMI8 HDMI7 HDMI6 HDMI5 INPUT HDMI4 HDMI3 HDMI2 HDMI1
HDMI1 HDMI2 HDMI3 HDMI4 INPUT HDMI5 HDMI6 HDMI7 HDMI8
5V

ASP-14H/ASP-18H

The ASP-14H (1x4) and ASP-18H (1x8) HDMI 1.3 Distribution Amplifiers with EDID Manager provide the most robust, cost effective and advanced HDMI 1.3 splitter solutions on the market. With automatic EDID learning, the ASP-14H & ASP-18H will effectively avoid HDMI compatibility issues and offer the best HDMI support for HDMI splitters. They are compatible with PC resolutions up to 1920*1200@60Hz, 1080P, 2k and also support HDTV. With 12-bit deep color video and high definition audio support these splitters are suitable for high quality A/V broadcasting, digital signage and education applications.

- HDMI 1.3c and DVI 1.0 compliant
- HDCP 1.2 compliant
- 340MHz (up to 16 bit Y-U-V 444 supported @ 1080P)
- Video bandwidth: 10.2Gbps
- Front panel LED indicator shows the user the system & switching information
- Supports conversion of HDMI signalling to DVI
- Resolution up to 1080p or WUXGA (1920x1200@60)
- Automatic EDID learning
- Supports Dolby Digital, DTS-HD, and Dolby TrueHD audio formats
- Wall-mount housing design for easy installation

DXE-STH/HTS

SDI/HDMI Converter

DXE-STH

DXE-HTS

DXE-STH/HTS

The DXE-STH/HTS are professional broadcast video products capable of converting 3G-SDI, HD-SDI, & SD-SDI signals to HDMI, and vice versa. This allows viewing professional broadcast video components on industry standard consumer and commercial products such as flat screen displays, projectors, and more. The DXE-STH supports audio de-embedding and outputs to two RCA connectors, and the DXE-HTS supports audio embedding with stereo RCA line-level input connectors..

In addition, the DXE-STH has a re-clocked loop-through SDI for local monitor support and can also identify the input signal (HD or SD) indicating the result with a dual color status LED. RGB and YUV color space are also supported. The DXE-STH/HTS are a complete cost effective solution for SDI/HDMI conversion.

DXE-STH

- 3G/HD/SD SDI to HDMI
- 1-channel SDI signal re-clock loop-through
- Supports RGB and YUV color space
- 3G/HD/SD SDI (Auto Adaption)
- Dual Color Status LED
- Resolutions: 480i, 576i, 720p, 1080i, 1080p

DXE-HTS

- HDMI to 3G/HD/SD SDI
- 2-channel SDI signal output
- Supports RGB and YUV color space
- 3G/HD/SD SDI (Auto Adaption)
- Dual Color Status LED
- Resolutions: 480i, 576i, 720p, 1080i, 1080p

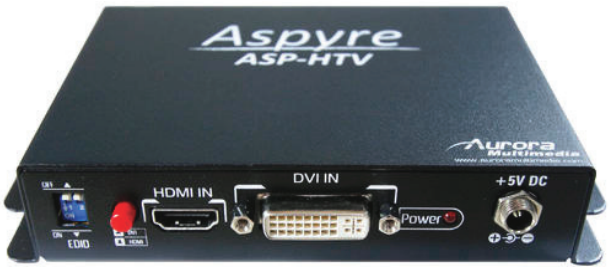
Aspyre Series

HDMI/DVI Converters

VGA/YPbPr to HDMI

ASP-VTH

- PC video supports up to UXGA (1600x1200) or WUXGA (1920x1200)
- Supports most popular VESA resolution from 640x480 up to WUXGA
- Front panel LED indicators



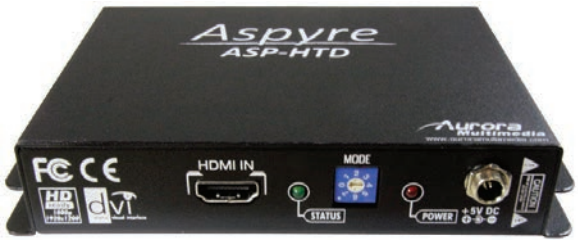
HDMI to VGA/YPbPr

ASP-HTV

- HDMI 1.2a & DVI 1.1 compliant
- HDMI video supports up to 1080p none HDCP
- Supports HD (1080i / 720p) component video output
- Supports up to UXGA (1600x1200@60) & WUXGA (1920x1200@60) PC graphics output
- Coaxial S/PDIF audio output
- Stereo analog audio output
- Front panel LED indicators and push button
- EDID learning ability

Aspyre Series

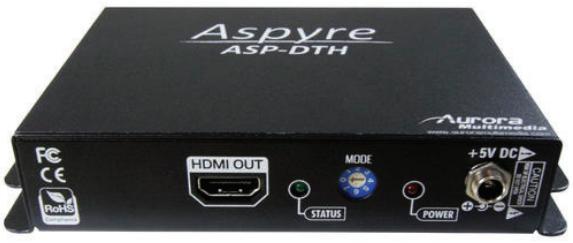
HDMI/DVI Converters



HDMI to DVI with Audio

ASP-HTD

- HDMI 1.2a compatible
- Fully HDCP compliant
- DVI video up to 165MHz
- Coaxial S/PDIF audio output
- Stereo analog audio output
- Front panel LED indicators



DVI with Audio and HDMI

ASP-DTH

- Fully HDCP compliant
- DVI video up to 165MHz
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators

Aspyre Series

HDMI/DVI Matrix Switchers

ASP-44/ASP-88

The ASP-44 4x4 & ASP-88 8x8 HDMI™ 3D Deep Color Matrixes provide the most flexible and cost effective solution in the market to route high definition video sources plus multi-channel (up to 7.1 channel) digital audio from any of the HDMI sources to the any displays at the same time. This solution is well suited for use in home theater, conference room presentation systems, or other similar setting or application.

- 4x4/8x8 HDMI Matrix Switcher
- HDMI™ 3D Deep Color
- HDCP compliant and works on all Inputs/Outputs
- Dolby® Surround Sound
- Supports up to 7.1 Channel Audio
- EDID Learning
- Resolutions Input/Output up to 1080p
- Front Panel Control with Presets
- Rack Mountable 1RU
- RS-232 and IR Control
- Optional Ethernet Control

Aspyre Series

Presentation Scaler

ASP-S123V

The ASP-S123V is a presentation scaler switcher designed for multi-signal processing of Composite Video, S-Video, Component Video (YPbPr), VGA (Computer Graphics), and HDMI inputs which can be scaled to 1080p in VGA/HDMI format. It has an integrated HDBaseT extender allowing the output to extend up to 230ft [70m] at 1080p 60Hz. In addition, the microphone input, and 20 Watt amplifier makes the ASP-S123V a complete cost effective solution for education, commercial, and digital signage.

- 4 HDMI Inputs
- 4 VGA Inputs with 3.5mm TRS Audio
- 1 YPbPr Input
- 1 Composite / S-Video Input with L/R Stereo Audio
- 1 Microphone Input
- 1 HDMI Output
- 1 VGA Output with L/R Stereo Audio (For non-HDCP encrypted content)
- 1 HDMI HDBaseT CAT Extender Port 230ft [70m] 1080p 60Hz
- Scales input up to 1080p
- 2 x 10 Watt Amplifier
- Volume Control
- Front Panel Button Control with IR receiver
- RS-232 Control
- 10/100 LAN (optional)

DXW-2 Series

HDMI / VGA Wall Plate to HDBaseT Extender

new

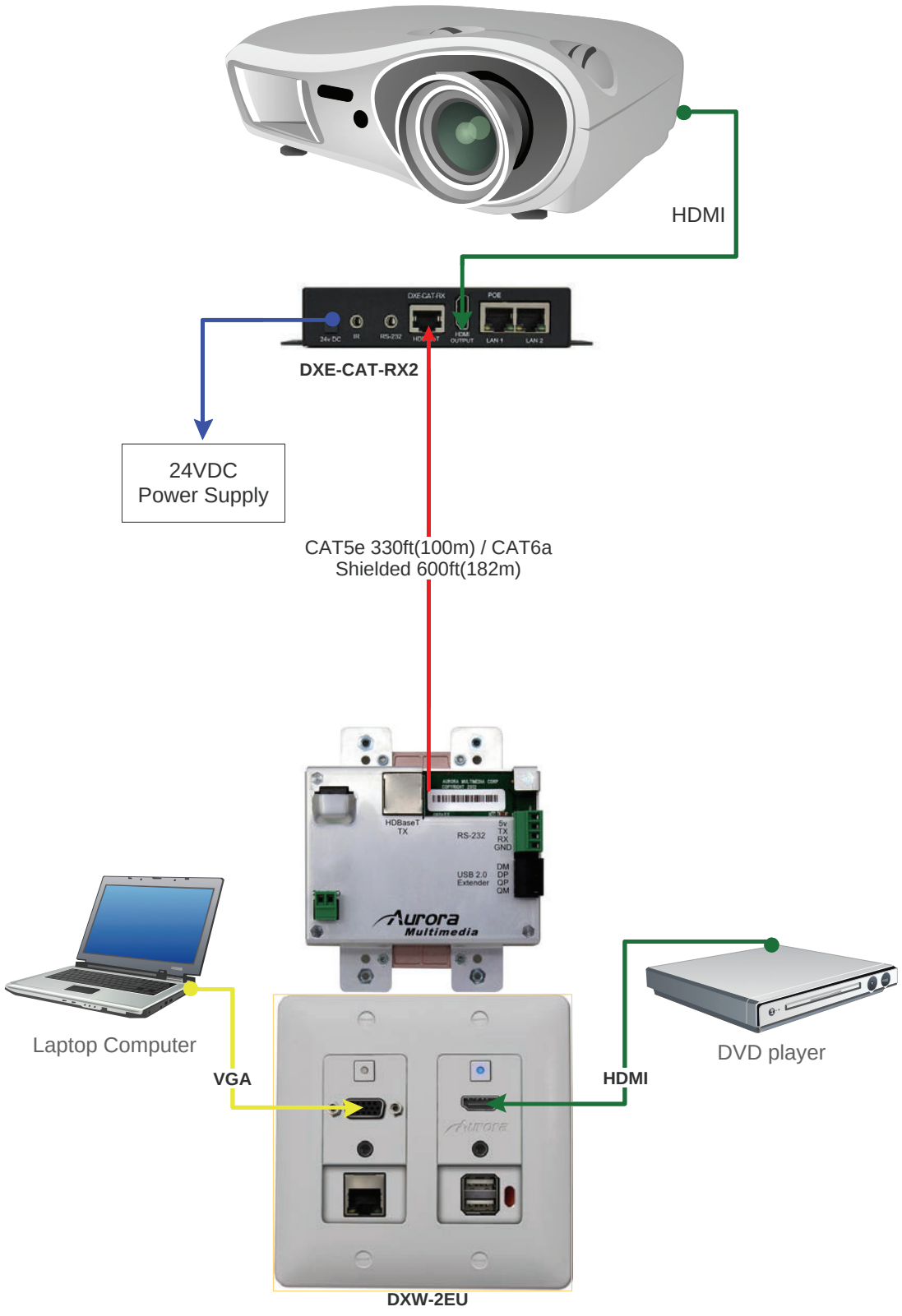
DXW-2

The DXW-2 Series are 2 gang multi-input Decora® style wall plates with HDBaseT CAT extension. Its ability to convert VGA (YPbPr, S-Video, Video) with audio to HDMI locally and transmit the signal up to 600ft sets this unit apart from the competition. The sources are remotely selectable via RS-232 commands sent through the matching receiver device (DXE-CAT-RX, DXM Matrixes, etc). In addition, there is a LAN port (DXW-2E, DXW-2EU) for connection to the network without requiring a separate wall plate. THE DXW-2EU has two USB ports for powering USB devices and transmitting 480Mbps up to 280ft independently to a different location. The DXW-2 Series can be remotely powered by the receiver device and also has the ability to transmit IR signals via the sensor window on the front of the unit for remote control of IR controllable devices. Overall, the DXW-2 saves money and simplifies an installation by combining the functionality of a switcher, converter, and extender into one neat package.

- 1 HDMI Input with Audio for DVI
- 1 VGA with Audio Converted to HDMI
- VGA can Accept YPbPr, S-Video, & Video
- 1 LAN Connector (DXW-2E, DXW-2EU)
- HDBaseT 600ft (183m) Extension
- 2 USB 2.0 Ports (DXW-2EU)
- USB Extends Independently 280ft
- 1 IR Receiver (40ft Range)
- Auto Sense, Buttons, RS-232 for Source Select
- Buttons Backlight (Red, Green, Blue)

Applications

HDMI Wallplate Extension via CAT cable



DXE-CAT Extenders

HDBaseT CAT Extenders

DXE-CAT Extenders

The DXE-CAT Extenders are part of Aurora's expanding Digital Xtreme Series, and the first of the new HDBaseT CAT extenders. The DXE-CAT Extenders powerful design provides usability and features not found anywhere else. Single-sided connections for LAN, HDMI, Control and Power provide a cleaner wiring and rack mounting solution. The Patents Pending design allows the system to be powered via POE or AC adapter from either side! With a single CAT 5e/6/7 cable, the DXE-CAT Extenders can go up to 330ft 1080p 60Hz 48bit color depth with bi-directional RS-232, IR, & LAN.

- Transmit HDMI up to 1080p 60Hz 48bit 330ft over one CAT 5e/6/7 cable
- Supports 4K x 2K
- HDMI 3D & Deep Color supported
- HDCP Compliant
- All connectors on one side for easier installation
- Bi-directional RS-232 & IR
- 2-port Ethernet switch (on Tx & Rx) with Ethernet pass-through (DXE-CAT-S2 / DXE-CAT-S2L only)
- Power both units from TX/RX side with with LAN POE or single external power supply (24vDC incl)
- LAN POE (Power-Over-Ethernet) can power both TX & RX without wall supplies (Patents Pending)
- Status LED for all connections on front
- Various mounting options
- Models Incl: DXE-CAT-S1 (70m), DXE-CAT-S2 (100m w/Ethernet), DXE-CAT-S2L (S2 with control)

DXE-CAT-S2L

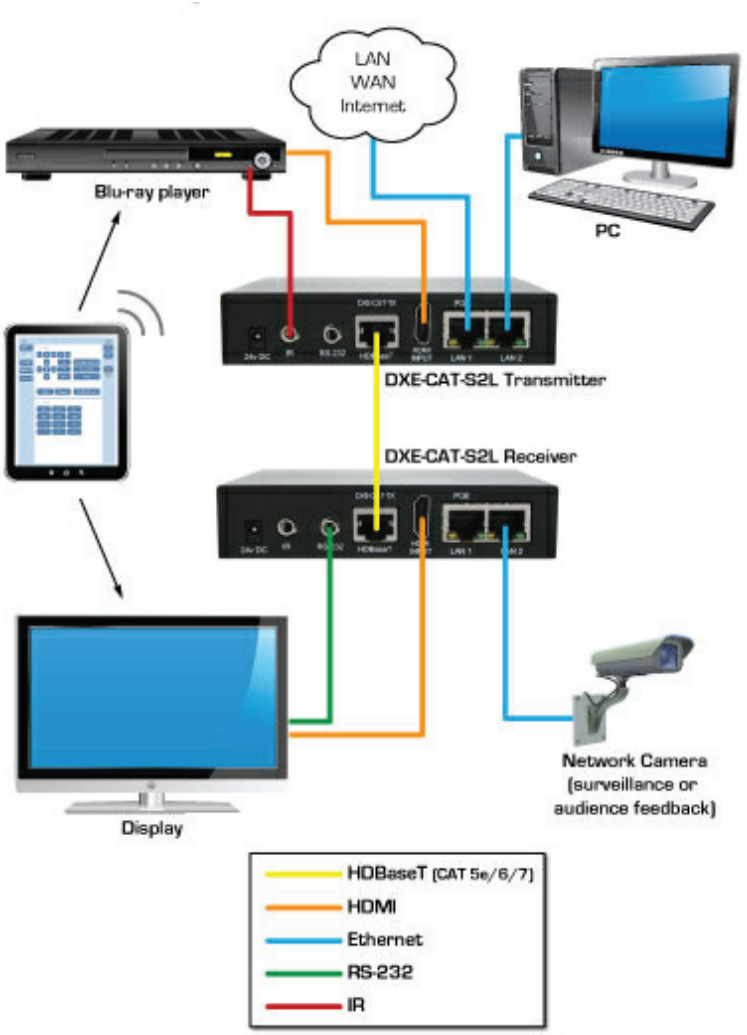
HDBaseT CAT Extender with Integrated Control System

DXE-CAT-S2L

With Aurora's new DXE-CAT-S2L HDMI extenders the control system is built in to the extenders themselves.

Standard HDMI extenders only PASS RS232 and IR from an external control system. Our new Extenders GENERATE RS232 and IR locally at both ends eliminating the need for a traditional control system.

8MB of internal storage for hosting and serving a Web control page. All you need to control both the Source and the Display is any Web Browsing device whether it be an iPad, Android based tablet, Laptop or computer.



DXE-CAT Series

Technical Specifications

Model Name	DXE-CAT		
Technical	DXE-CAT-S1	DXE-CAT-S2	DXE-CAT-S2L
Max Distance	230ft	600ft	600ft
Max Resolution	1080p 60Hz 4K2K	1080p 60Hz 4K2K	1080p 60Hz 4K2K
Color Depth	36bit	48bit 330ft (CAT5e) 24bit 600ft(CAT6A)	48bit 330ft(CAT 5e) 24bit 600ft (CAT6A)
RS-232	Max 115kbps	Max 115kbps	Max 115kbps
IR without LXC	38kHz	38kHz	38kHz
IR Output with LXC	30Hz-100kHz	30Hz-100kHz	30Hz-100kHz
IR Input with LXC	38kHz	38kHz	38kHz
LAN	No	2 - 10/100	2 - 10/100
LAN POE	No	Port 1	Port 1
IP Control System	No	No	Yes
Web Server	No	No	Yes
Real-Time Clock	No	No	Yes
HDMI	1.4 3D	1.4 3D	1.4 3D
Front LED Status	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out
Front Selections	Reset	Reset	Reset/Setup
LAN Connectors	N/A	Dual 8P8C with 2 LED indicators each	
HDBaseT Connector	RJ-45 WE/SS 8P8C		
RS-232 Connector	3.5mm TRS		
IR Connector	3.5mm TRS (Auto Sensing Direction for Blaster or Receiver)		
HDMI Connector	Type A 19 pin		
Power Connector	Diameter1.7mm ID, 4mm OD (EIAJ-2)		
Mechanical	DXE-CAT		
Housing	Black Aluminum enclosure		
Dimensions [L x W x H]	120mm x 77mm x 27.94mm [4.72" x 3.03" x 1.1"]		
Weight	395g [14 oz] TX / 395g [14 oz] RX		
Mounting	Wall-mounting & Rack Mounting		
Power supply	24 .65A DC (Only 1 required on either TX or RX)		
Power consumption	5 Watts (TX) 7 Watts (Rx) [max]		
Operation temperature	0~40°C [32~104°F]		
Storage temperature	-20~60°C [-4~140°F]		
Relative humidity	20~90% RH [no condensation]		
Package Contents	1x DXE-CAT-T(x) (x= 1, 2, 2L accordingly) 1x DXE-CAT-R(x) (x= 1, 2 accordingly) 1x 24V DC 15Watt Wall Supply 1x DXE-CAT-E1 Wall / Desk Mount Ears 1x User Manual		
Options	IR Receiver 38KHz (CA0026-1) IR Emitter (CA0012-1) DXE-CAT-RK3 3RU 16 unit Rack Mount		

DXE-CAT-RK3

RS-232 3.5mm Adaptors

IR Emitter

IR Receiver

DXE-CAT-RX3

HDMI HDBaseT Extender with Relays & Amplifier

new

DXE-CAT-RX3

The DXE-CAT-RX3, DXE-CAT-RX3-A, DXE-CAT-RX3L, & DXE-CAT-RX3L-A are a part of the growing Digital Xtreme Series. This product is different than the typical CAT extender found on the market today as it not only breaks the price barrier but the feature and usability aspects as well. All connectors are on one side to make wiring cleaner and mounting easier. The DXE-CAT-RX3 Series is designed to complement the Digital Xtreme Series of HDBaseT transmitters such as the DXW-2 Series HDBaseT wall plates, DXE-CAT-TX1, DXE-CAT-TX2, DXM Matrixes, etc. The built in relays are perfect for screen control and the amplifier will fill the room with audio when used with the Aurora SKR-22T 360 degree sound field ceiling tile speaker. When used all together a single cable, low cost, highly integrated solution for rolling carts, podiums, and credenzas is formed. Being able to go the distance is important too, and HDBaseT technology helps achieve that. With a single CAT cable, the DXE-CAT can go up to 330ft 1080p 60Hz 48bit color depth, 500ft 1080p 60Hz 24bit (CAT 6), or 600ft 1080p 60Hz 24bit (CAT 6A Shielded) depending on transmitter model. In addition, the RS-232, IR, & LAN can be sent over the same cable bi-directionally.

- Receive HDMI up to 600ft (183m)
- All connectors on one side for easier installation
- Bi-directional RS-232 & IR & LAN
- Two Relays for Screen Control
- 2x20 Watt Amplifier (-A Version)
- Differential Line Input / Output
- Dual 3 Band Equalizer (low, Mid, High)
- Volume Control

DXE-CAT-RX3

Technical Specifications

Model Name	DXE-CAT-RX3 Series			
Technical	DXE-CAT-RX3	DXE-CAT-RX3-A	DXE-CAT-RX3L	DXE-CAT-RX3L-A
Max Distance	600ft	600ft	600ft	600ft
Max Resolution	1080p 60Hz	1080p 60Hz	1080p 60Hz	1080p 60Hz
Color Depth	48bit 330ft (CAT5e) 24bit 600ft(CAT6A)	48bit 330ft(CAT 5e) 24bit 600ft(CAT6A)	48bit 330ft(CAT 5e) 24bit 600ft(CAT6A)	48bit 330ft(CAT 5e) 24bit 600ft(CAT6A)
RS-232	Max 115kbps	Max 115kbps	Max 115kbps	Max 115kbps
Amplifier	No	2x20 Watt 4/8 Ohm	No	2x20Watt 4/8 Ohm
Line In/Out	No	Balanced	No	Balanced
Relays	2 Normally Open	2 Normally Open	2 Normally Open	2 Normally Open
IR Input & Output	30Hz-100kHz	30Hz-100kHz	30Hz-100kHz	30Hz-100kHz
LAN	2 - 10/100	2 - 10/100	2 - 10/100	2 - 10/100
LAN POE	Port 1	Amplifier Requires External Power	Port 1	Amplifier Requires External Power
IP Control System	No	No	Yes	Yes
HDMI	1.4 3D	1.4 3D	1.4 3D	1.4 3D
Front LED Status	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out
Front Selections	Reset	Reset	Reset/Setup	Reset/Setup
LAN Connectors	Dual 8P8C with 2 LED indicators each			
HDBaseT Connector	RJ-45 WE/SS 8P8C			
RS-232 Connector	3.5mm TRS			
IR Connector	3.5mm TRS (Auto Sensing Direction for Blaster or Receiver)			
HDMI Connector	Type A 19 pin			
Power Connector	Diameter 1.35mm ID, 3.5mm OD			
Relay Connector	3.81mm Euro Style Green 4 Position			
Line In/Out	Dual 3.81mm Euro Style Green 5 Position			
Amplifier Connector	5.08mm Euro Style Green 4 Position			
Mechanical	DXE-CAT-RX3 Series			
Housing	Black Aluminum enclosure			
Dimensions [L x W x H]	215mm x 97mm x 33mm [8.46" x 3.82" x 1.3"]			
Weight	2 lbs			
Mounting	Wall-mounting & Rack Mounting			
Power supply	24 60 Watt DC (Only 1 required on RX)			
Power consumption	5 Watts [Typical] 50 Watts (Amplifier full use) [Max]			
Operation temperature	0~40°C [32~104°F]			
Storage temperature	-20~60°C [-4~140°F]			
Relative humidity	20~90% RH [no condensation]			
Package Contents	1x DXE-CAT-R(x) (x= 3, 3L, 3-A, 3L-A accordingly) 1x 24V DC 60 Watt Wall Supply 1x DXE-CAT-E1 Wall / Desk Mount Ears 1x User Manual			
Options	IR Receiver 38KHz (CA0026-1) IR Emitter (CA0012-1)			

SKR-22T

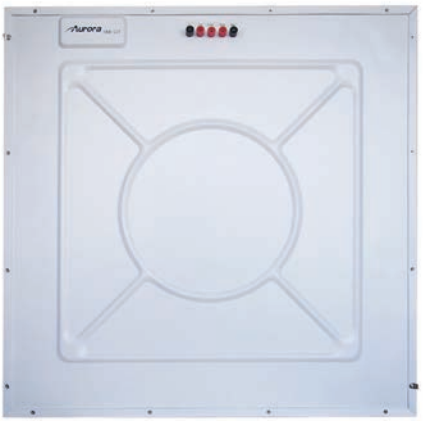
Flat 2' x 2' Ceiling Tile 20 Watt Speaker

new

SKR-22T

The SKR-22T is the latest speaker innovation from Aurora. This light weight speaker delivers clear sound with fidelity not normally found on typical ceiling speakers. Its ability to reproduce 360 degree sound field allows the use of only one speaker in a room for mono operation. Installation is quick, less costly, and less messy as there is no cutting of ceiling tiles or back boxes to mount. Just drop the tile into a 2x2 ceiling grid, connect the speaker wire and you are done. For 4x2 ceiling grids all that is required is to cut the tile in half and add a standard divider ceiling divider. With the full range of audio not only do presenters sound clear and crisp but the presentation material is produced with missing the lows or the highs compared to the typical 5" – 6" round ceiling speakers. When used with Aurora amplifiers found in the DXS-81 or DXE-CAT-RX3 the amplified audio is clear and noise free with the 96% efficient Class D amplification.

- 20 Watts RMS
- Fits in standard 2'x2' drop ceiling grid
- Frequency Response 50Hz – 15KHz +/-10dB
- 8 Ohm, 70v, 100v Taps
- 360 Degree Coverage
- Only 2.2" Deep
- Resettable Fuse Protection



DXB-8

8 Button Backlit Control Panel

new

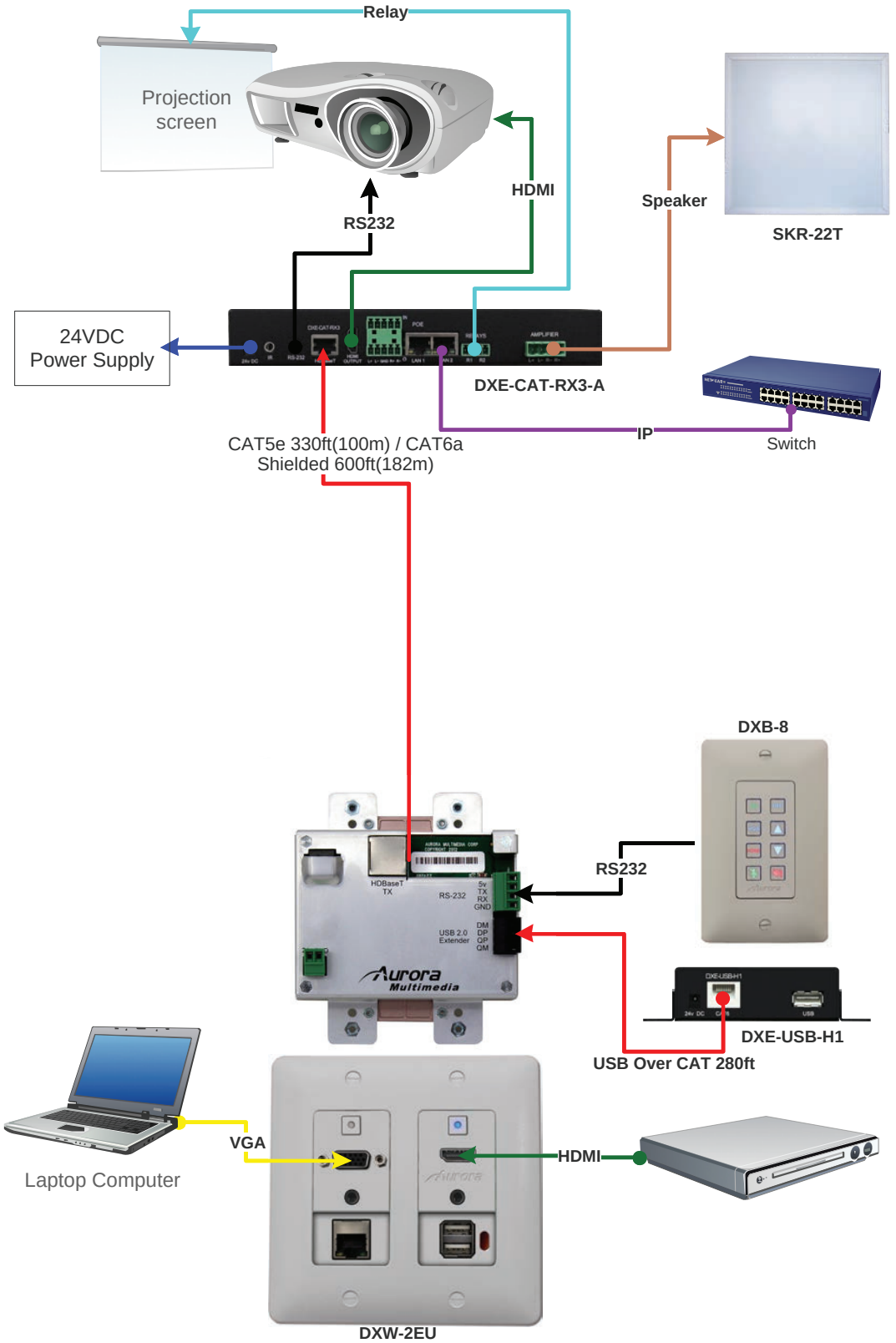
DXB-8

The DXB-8 is a low cost 8 button single gang button panel. Designed to work with just about any RS-232 device on the market, the DXB-8 allows any RS-232 string to be assigned to the press and release of each button. Even repeat on hold is available. The buttons can individually be lit red, green, or blue so in dimly lit areas it can be seen. Low cost, low power, simplicity, and compatibility with just about any device on the market makes the DXB-8 the simple sweet solution of choice.

- 8 backlit buttons (Red, Green, Blue)
- Fits in standard 1 gang Decora® style outlet
- 2 RS-232 ports
- Buttons individually programmable for RS-232 command
- 9600 – 115k Baud Rate Selectable
- Designed to work seamlessly with DXW-2, & DXS-91
- Customizable laser etched buttons
- Low Power
- 5v DC powered
- Low Depth .48" for Floor & Table Boxes

Applications

One Room - One Cable™



DXM-G2 Series

8x8, 16x16 and 32x32 Card Cage Matrixes

new

DXM-88-G2, DXM-1616-G2 and DXM-3232-G2

The DXM-88-G2, DXM-1616-G2 and DXM-3232-G2 are low cost digital media card cage matrix systems. The most prominent feature is the variety of input and cards. The Digital Xtreme Series has a variety of cards to choose from to simplify the installation and reduce the external component count. HDMI, DVI, HDSDI, VGA and HDBaseT CAT I/O cards are just some of the choices available. The DXM card frame can be controlled by RS-232 and has a redundant power supply option as well. The Digital Xtreme Series provides a flexibility ideal for commercial, house of worship, digital signage, education, military, and broadcast applications.

- 8x8, 16x16 or 32x32 digital media card cage matrix systems
- 4 inputs/outputs per card
- 12.75Gbps backplane bandwidth per channel
- Front button control panel and LCD
- LAN and RS-232 control
- Power consumption: 30W (DXM-88-G2), 50W (DXM-1616-G2), 80W (DXM-3232-G2)
- 2RU (DXM-88-G2), 5RU (DXM-1616-G2), 6RU (DXM-3232-G2) rack spaces

DXM-G2 Cards

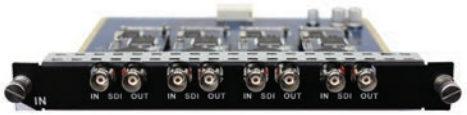
Input/Output Cards

new

DXCI-4-2S2H-G2

DXCI-4-HDMI-G2

DXCI-4-2V2H-G2



DXCI-4-SDI-G2

DXCI-4-VGA-G2

DXCI-4-HDBT1-G2

DXC Input:

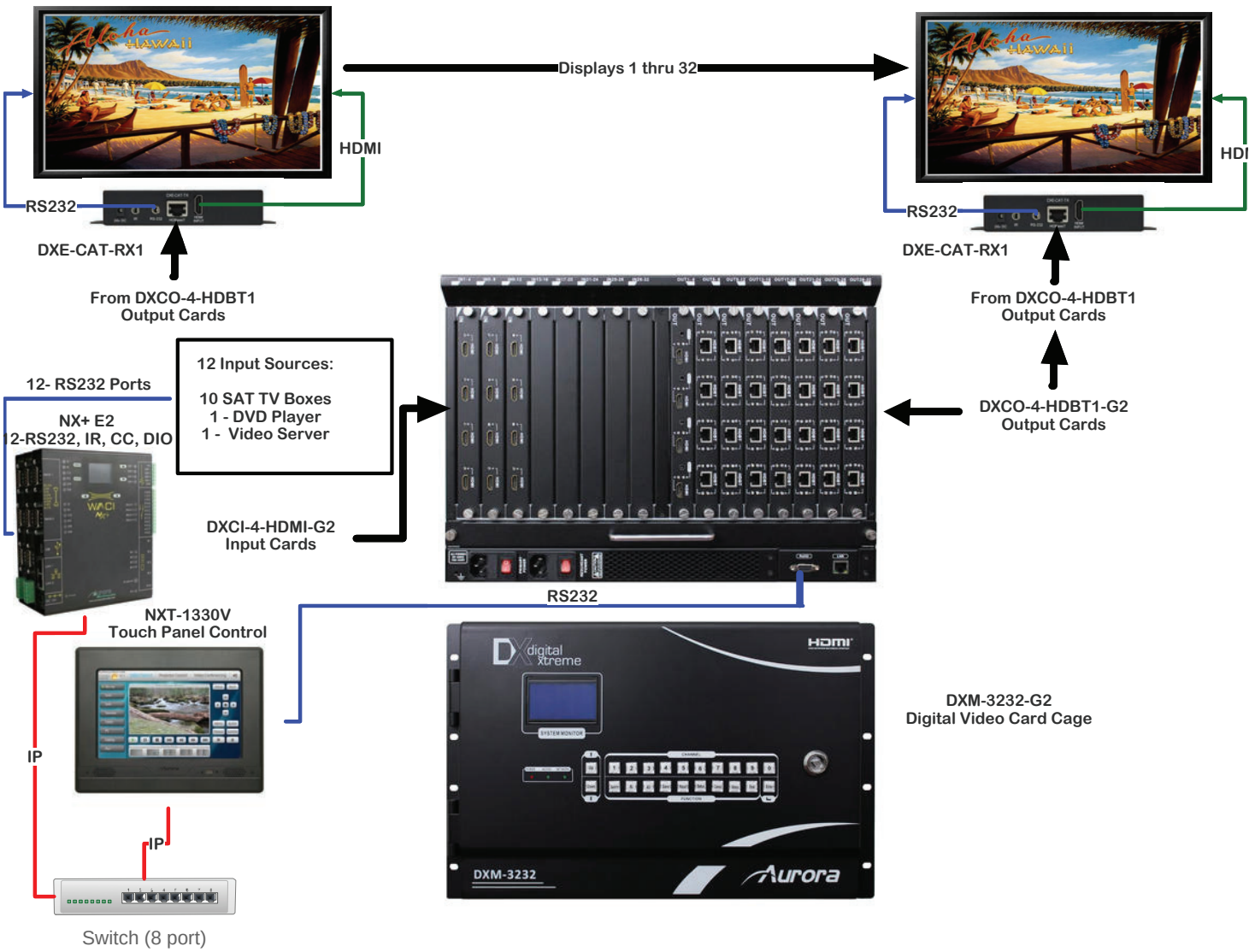
- DXCI-4-2S2H-G2 (2 HDMI, 2 SDI)
- DXCI-4-2V2H-G2 (2 HDMI, 2 VGA)
- DXCI-4-HDBT1-G2 (4 HDBaseT Lite up to 230' each)
- DXCI-4-HDBT2-G2 (4 HDBaseT Lite up to 600' each)
- DXCI-4-HDMI-G2 (4 HDMI)
- DXCI-4-SDI-G2 (4 3G/HD/SD SDI)
- DXCI-4-VGA-G2 (4 VGA)

DXC Output:

- DXCO-4-HDBT1-G2 (4 HDBaseT Lite up to 230' each)
- DXCO-4-HDBT2-G2 (4 HDBaseT up to 600' each)
- DXCO-4-HDMI-G2 (4 HDMI)

Applications

Restaurant/Sports Bar 12x32 HDMI Distribution



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